

FIG. 1

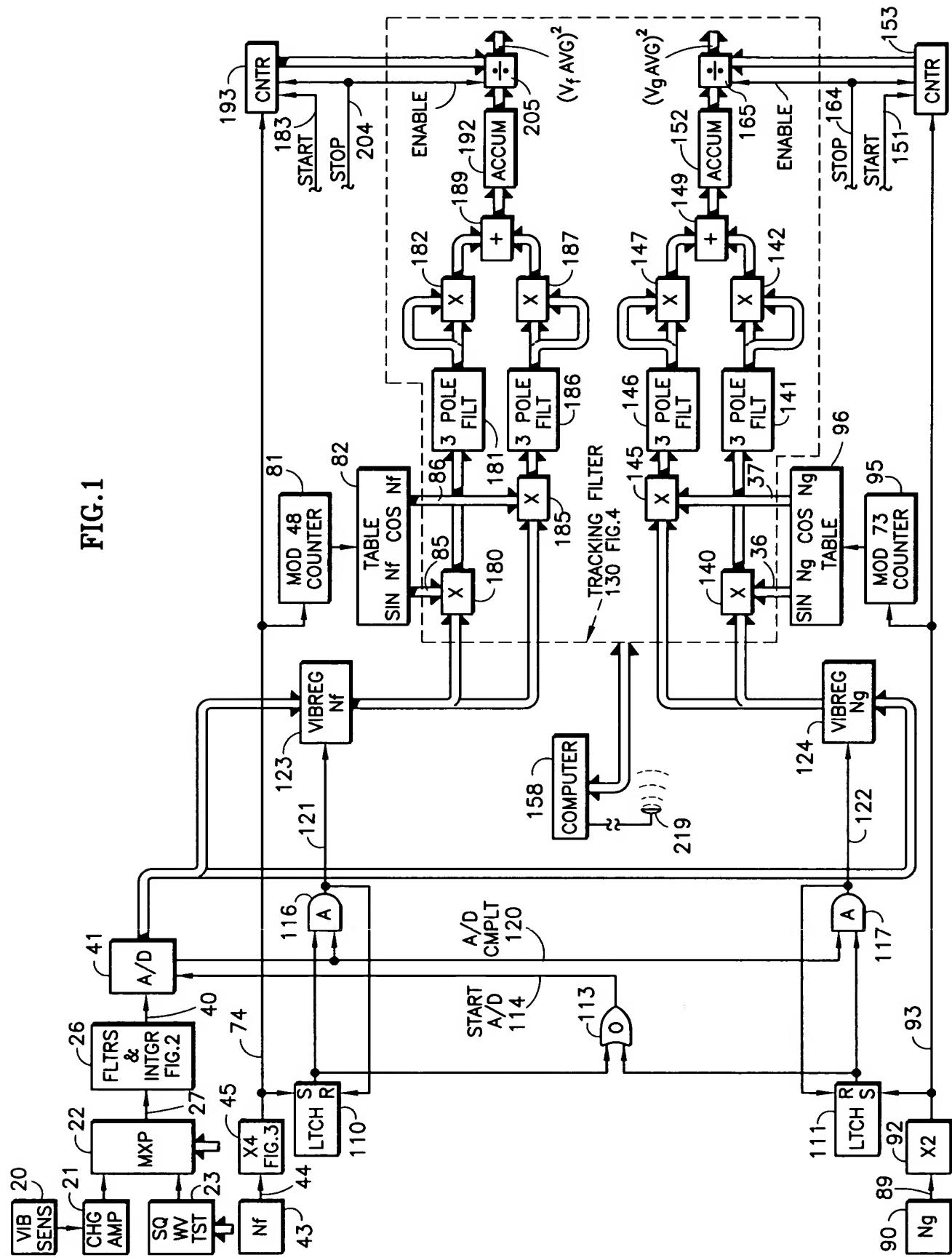
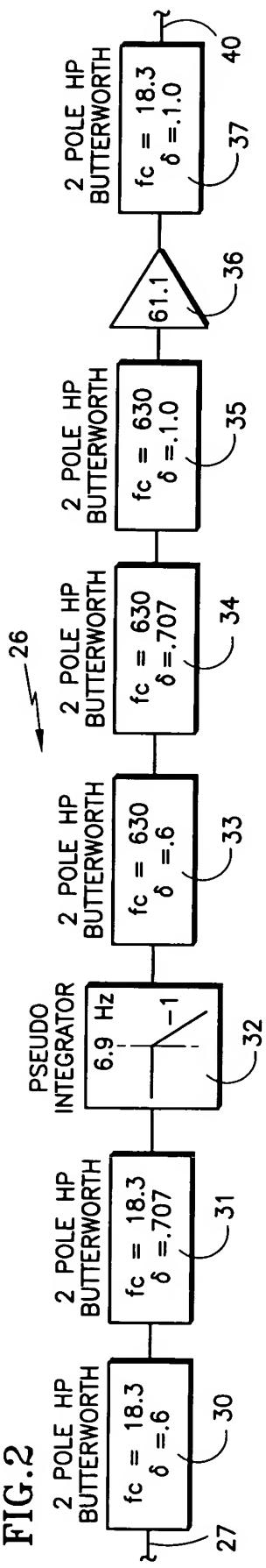


FIG.2



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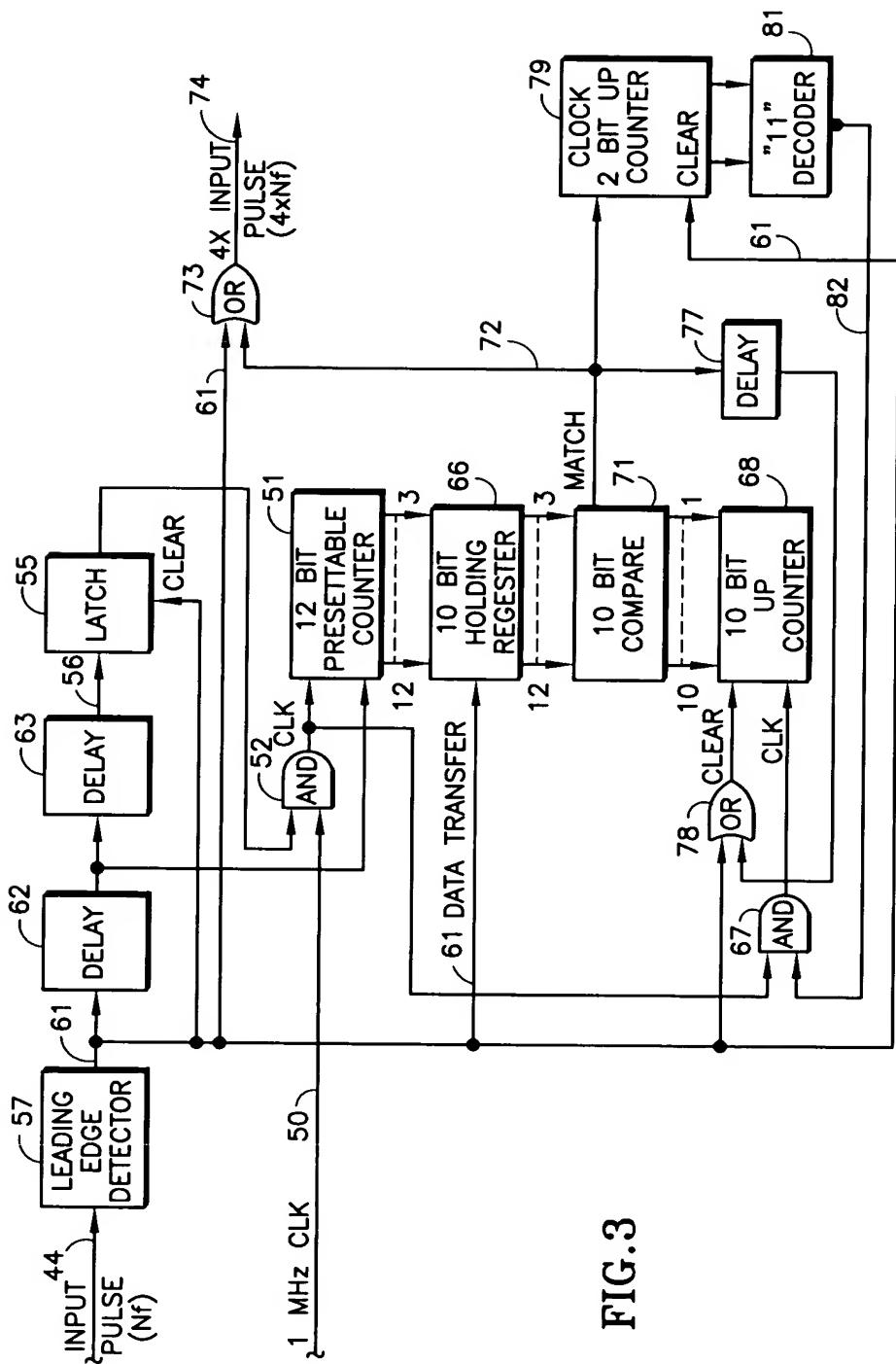


FIG.3

FIG.4

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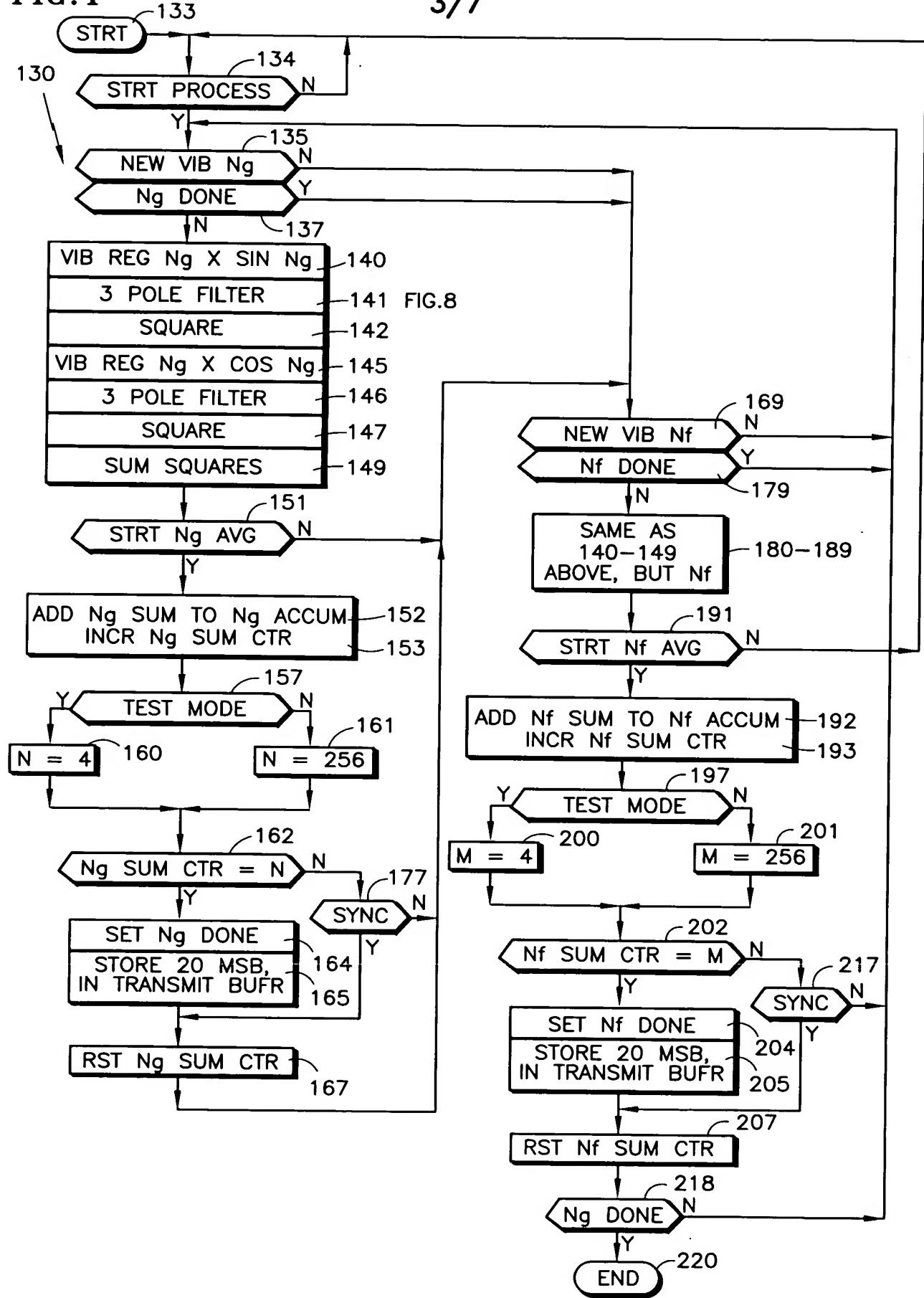


FIG.5

SEQ NO	SIN	COS	SEQ NO	SIN	COS
0	0.00	1.00	48	0.00	1.00
1	0.13	0.99	49	0.13	0.99
2	0.26	0.97	50	0.26	0.97
3	0.38	0.92	51	0.38	0.92
4	0.50	0.87	52	0.50	0.87
5	0.61	0.79	53	0.61	0.79
6	0.71	0.71	54	0.71	0.71
7	0.79	0.61	55	0.79	0.61
36	-1.00	0.00	84	-1.00	0.00
37	-0.99	0.13	85	-0.99	0.13
38	-0.97	0.26	86	-0.97	0.26
39	-0.92	0.38	87	-0.92	0.38
40	-0.87	0.50	88	-0.87	0.50
41	-0.79	0.61	89	-0.79	0.61
42	-0.71	0.71	90	-0.71	0.71
43	-0.61	0.79	91	-0.61	0.79
44	-0.50	0.87	92	-0.50	0.87
45	-0.38	0.92	93	-0.38	0.92
46	-0.26	0.97	94	-0.26	0.97
47	-0.13	0.99	95	-0.13	0.99

FIG. 6

2 X 9.125 PPR

SEQ NO	SIN	COS	SEQ NO	SIN	COS
1	0.34	0.94	74	0.34	0.94
2	0.64	0.77	75	0.64	0.77
3	0.86	0.51	76	0.86	0.51
4	0.98	0.19	77	0.98	0.19
5	0.99	-0.15	78	0.99	-0.15
6	0.88	-0.47	79	0.88	-0.48
7	0.67	-0.74	80	0.67	-0.74
8	0.38	-0.93	81	0.38	-0.93
9	0.04	-1.00	82	0.04	-1.00

SEQ NO	SIN	COS	SEQ NO	SIN	COS
34	-0.76	0.65	107	-0.76	0.65
35	-0.49	0.87	108	-0.49	0.87
36	-0.17	0.99	109	-0.17	0.99
37	0.17	0.99	110	0.17	0.99
38	0.49	0.87	111	0.49	0.87
39	0.76	0.65	112	0.76	0.65
40	0.93	0.36	113	0.93	0.36
41	1.00	0.02	114	1.00	0.02
64	-0.04	-1.00	137	-0.04	-1.00
65	-0.38	-0.93	138	-0.38	-0.93
66	-0.67	-0.74	139	-0.67	-0.74
67	-0.88	-0.47	140	-0.88	-0.47
68	-0.99	-0.15	141	-0.99	-0.15
69	-0.98	0.19	142	-0.98	0.19
70	-0.86	0.51	143	-0.86	0.51
71	-0.64	0.77	144	-0.64	0.77
72	-0.34	0.94	145	-0.34	0.94

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FIG. 7

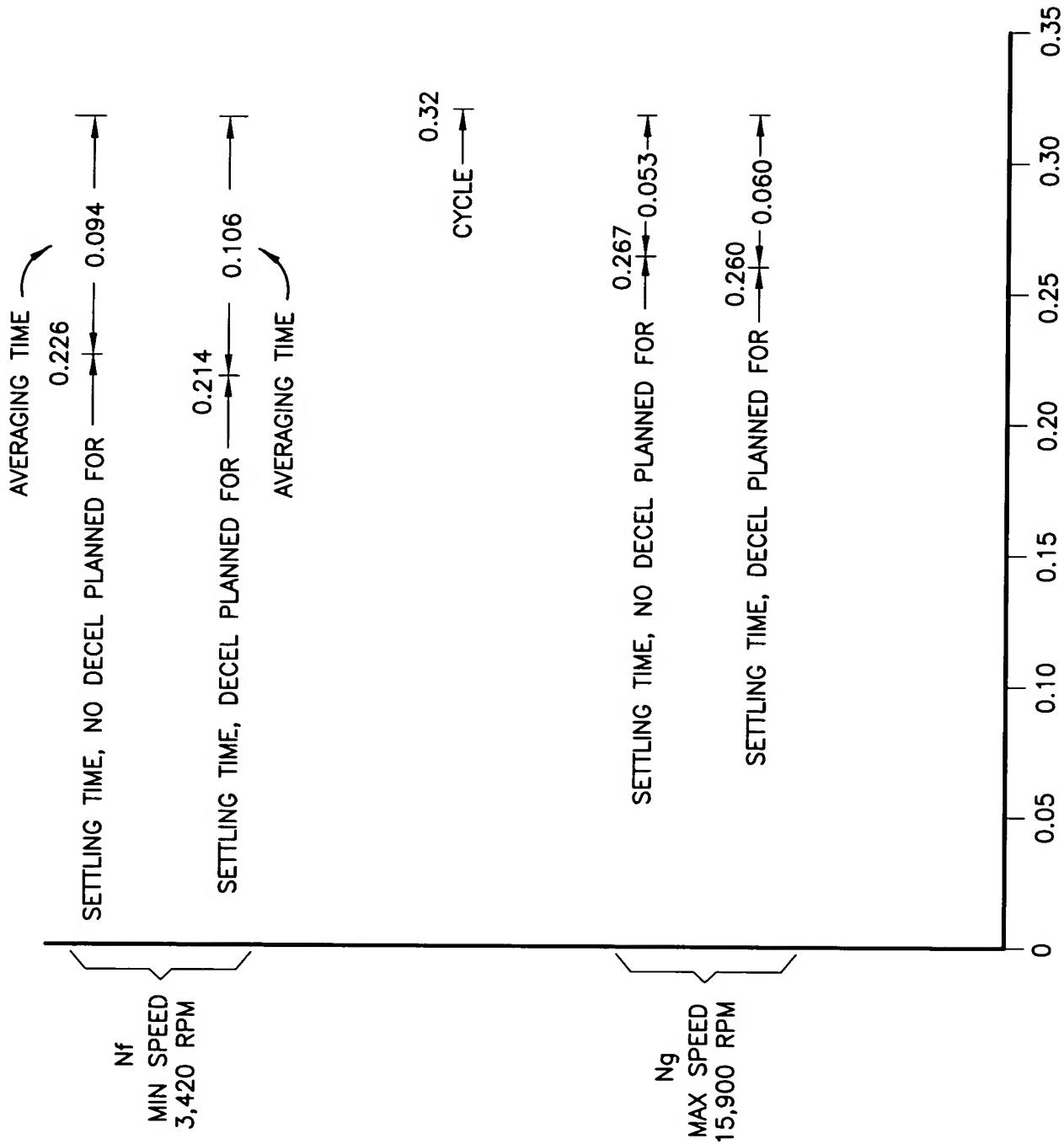


FIG.8

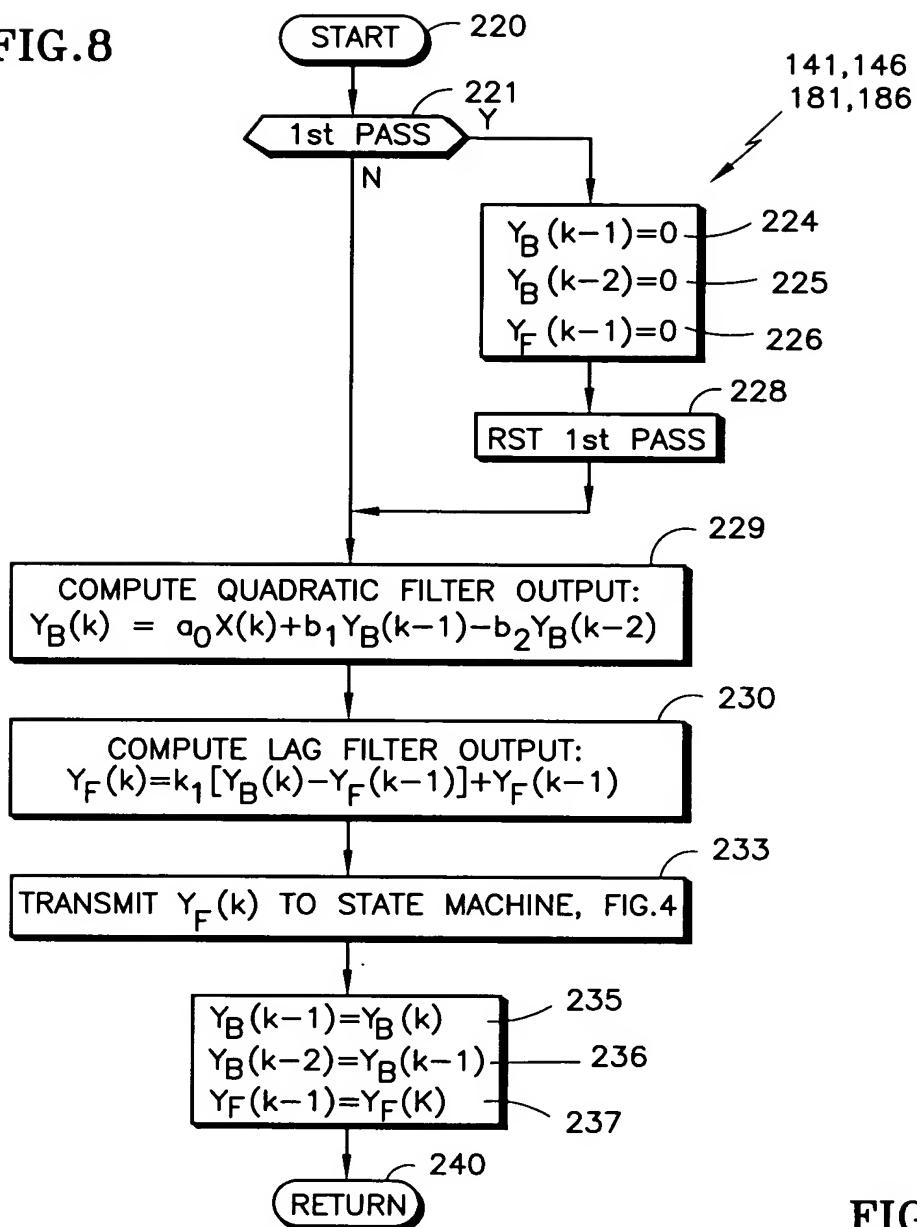


FIG.9

$X(k)$ = SIN Ng IN FILTER 141
= COS Ng IN FILTER 146
= SIN Nf IN FILTER 181
= COS Nf IN FILTER 186

$$\begin{aligned}
b_2 &= \frac{1}{1+142.15T+10,106.52T^2} \\
b_2 &= b_2(-2-142.15T) \\
a_0 &= 1+b_1+b_2 \\
k_1 &= 99.52T
\end{aligned}$$